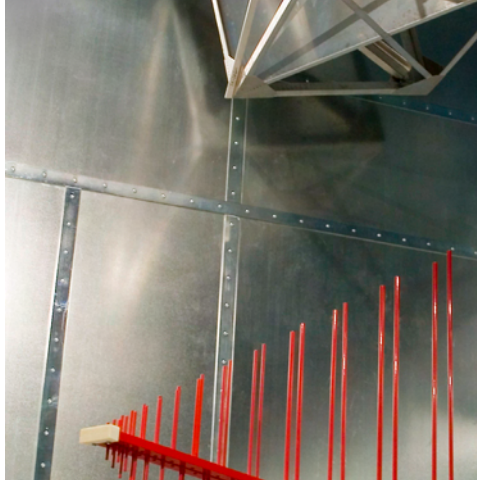


# The Faraday Test Centre

## Capabilities of Electromagnetic Compatibility Facilities



### **The array of tests and associated frequency ranges conducted by EMC includes:**

- Conducted emission (20Hz to 1GHz)
- Radiated magnetic field emission (20Hz to 50kHz)
- Radiated electric field emission (10kHz to 40GHz)
- Conducted susceptibility audio frequency (20Hz to 50kHz)
- Conducted susceptibility RF (10kHz to 400MHz)
- Radiated electric field susceptibility (10kHz to 40GHz)
- Electromagnetic pulse (10kHz to 100MHz)
- Conducted voltage transients
- Power supply frequency variations
- Electrostatic discharge
- Compass safe distance (magnetic influence)

### **Supplies available in the EMC laboratory and in the screened enclosures include:**

- 20kVA, three-phase, 400Hz (200V phase to phase)
- 30kVA, three-phase, 50Hz (415V phase to phase)
- 3kVA, single-phase, variable frequency
- 1kVA, three-phase, variable frequency
- 240V, 13A, single-phase, 50Hz
- 28VDC, 60A
- Other DC voltages are available

## ELECTRONICS & INTEGRATED SOLUTIONS

Airport Works  
Rochester Kent ME1 2XX UK  
email: paul.j.davison@baesystems.com

**BAE SYSTEMS**